	Application No.	Applicant(s)	1
	10/634,678	LEE ET AL.	
Notice of Allowability	Examiner	Art Unit	
		1623	
	L. E. Crane		
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERTI'S IS herewith (or previously malled), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.31:) or other appropriate communities. This application is some MPEP 1308.	signification will be mailed in du	e course. THIS
1. A This communication is responsive to <u>amendments of 10/1</u>	<u>8 and 11/10/2004</u> .		
2. The allowed claim(s) is/are 1.77 and 79-99.			
3. \square The drawings filed on are accepted by the Examina	er.		
4. Acknowledgment is made of a claim for foreign priority to	ınder 35 U.S.C. § 119(a)-(d)	or (1).	
a) All b) Some* c) None of the:			
Certified copies of the priority documents have	ve been received.	a Na	
Certified copies of the priority documents have	ve been received in Application	on No	action from the
Certified copies of the priority documents have been received in this national stage application from the			
international Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	INICIAT OF THIS application.		
A SUBSTITUTE OATH OR DECLARATION must be sub INFORMAL PATENT APPLICATION (PTO-152) which gi	ives reason(s) why the oath c	AMINER'S AMENDMENT of declaration is deficient.	FNOTICE OF
6. CORRECTED DRAWINGS (as "replacement sheets") m	ust be submitted.		
(a) ☐ including changes required by the Notice of Draftspe	erson's Patent Drawing Revie	w (PTO-948) attached	
1) Thereto or 2) The Paper No./Mail Date			
(b) ☐ Including changes required by the attached Examine Paper No./Mail Date			
Identifying Indicia such as the application number (see 37 CFF each sheet. Replacement sheet(s) should be labeled as such i	n the header according to 3. c	11 11 11 14 1(w).	
DEPOSIT OF and/or INFORMATION about the de attached Examiner's comment regarding REQUIREMEN	posit of BIOLOGICAL MA	FERIAL must be submitte	d. Note the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-94 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/S Paper No./Mail Date 11/18/2004 4. ☐ Examiner's Comment Regarding Requirement for Depos of Biological Material	8) 6. ⊠ interview Paper N B/08), 7. ⊠ Examiner	Vames O. Wils	Allowance On on atent Examiner

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An Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 C.F.R. §1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the Issue Fee.

Claim 1 was replaced with the following:

-- 1. A compound of formula (I)

$$R_{8a}$$
 R_{8a}
 Z_2
 X_4
 X_5
 X_6
 X_6
 X_7
 X_8
 X_8

of a pharmaceutically acceptable salt or prodrug thereof, wherein

--- is absent or is a single bond;

 X_1 is CR_1 ;

X2 is selected from the group consisting of N and NR2;

X₃ is selected from the group consisting of N and NR₃;

X4 is a bond;

X₅ is N;

 Z_1 is O;

L is selected from the group consisting of alkenylene, alkylene,

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alkynylene, cycloalkylene, ,-(CH₂)_mO(CH₂)_n-, and N(R_y), wherein the left end of -(CH₂)_mO(CH₂)_n- is attached to Z₂ and the right end is attached to R₉;

m and n are each independently 1-6;
 Ry is selected from the group consisting of hydrogen and alkyl;
 R1, R3, R5, R6, and R7 are each independently selected from the group consisting of hydrogen, alkenyl, alkoxy, alkoxyalkyl, alkoxycarbonyl, alkoxycarbonylalkyl, alkyl, alkylcarbonyl, alkoxycarbonylalkyl, alkyl, alkylcarbonyl, alkylcarbonylakyl, alkylcarbonyloxy, cyano, cyanoalkyl, cycloalkyl, cycloalkylalkyl, haloalkoxy, haloalkyl, haloalkylthio, halogen, hydroxy, hydroxyalkyl, -S(O)₂ORA, -S(O)₂RB, -NZAZB, (ZAZBN)alkyl-, (ZAZBN)carbonyl-, (ZAZBN)carbonylalkyl-, and (ZAZBN)sulfonyl-, wherein ZA and ZB are each independently selected from the group consisting of hydrogen, alkyl, alkylcarbonyl, formyl, aryl, and arylalkyl;

 R_2 is independently selected from the group consisting of hydrogen, alkenyl, alkoxy, alkoxyalkoxy, alkoxyalkyl, alkoxycarbonyl, alkoxycarbonylalkyl, alkyl, alkylcarbonyl, alkylcarbonylalkyl, alkylcarbonyloxy, carboxy, carboxyalkyl, cyano, cyanoalkyl, cycloalkyl, cycloalkyl, haloalkoxy, haloalkyl, haloalkylthio, halogen, hydroxy, hydroxyalkyl, -NR_AS(O)_2R_B, -S(O)_2OR_A, S(O)_2R_B, NZ_AZ_B, (Z_AZ_BN)alkyl, (Z_AZ_BN)carbonyl, (Z_AZ_BN)carbonylalkyl, and (Z_AZ_BN)sulfonyl;

 R_A is selected from the group consisting of hydrogen and alkyl; R_B is selected from the group consisting of alkyl, aryl, and arylalkyl; $R_{8\pi}$ is selected from the group consisting of hydrogen and alkyl;

R_{8b} is absent when X₅ is N; and

 R_9 is selected from the group consisting of hydrogen, aryl, cycloalkyl, and heterocyclyl; with the proviso that variables X_2 and X_3 are not simultaneously NR_2 and NR_3 . --

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In claim 77 following line 4, the term " X3 is NR3;" was added as a new line.

In claim 92 at line 9, the term "heterocycle" (both occurrences) was replaced in both locations with the term -- heterocyclyl --.

In claim 94 at the end of the claim, the following term was added:
--, and a pharmaceutically acceptable carrier --.

Authorization for this Examiner's Amendment was given in a telephone interview with Ms. Gabryleda Ferrari-Deleo on January 4, 2005.

Papers related to this application may be submitted to Group 1600 via facsimile transmission (FAX). The transmission of such papers must conform with the notice published in the Official Gazette (1096 OG 30, November 15, 1989). The telephone number to FAX (unofficially) directly to Examiner's computer is 571-273-0651. The telephone number for sending an Official FAX to the PTO is 703-872-9306.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner L. E. Crane whose telephone number is 571-272-0651. The examiner can normally be reached between 9:30 AM and 5:00 PM, Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. James O. Wilson, can be reached at 571-272-0661.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group 1600 receptionist whose telephone number is 571-272-1600.

All Post-Allowance Correspondence concerning this application must be mailed to:

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OR you can FAX them to the Office of Patent Publications at 703-308-5083, in order to expedite the handling of such correspondence as amendments under 37 C.F.R. §1.312; Information Disclosure Statements (IDS's), and formal drawings. Sending Post-Allowance papers to Technology Center 1600 will only cause <u>delays</u> in matching papers with the case.

For information concerning status of correspondence sent after receipt of the Notice of Allowance, please contact the Correspondence Branch at 703-305-8027. The Notice of Allowance also has an insert containing contact information for other items, including Issue Fees, receipt of formal drawings, and the status of the application.

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James O. Wilson

Supervisory Patent Examiner